

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Eudes *et al.*

Group: 1638

Serial No. 09/929,831

Examiner: Unassigned

Filed: August 14, 2001

For: PROCESS FOR INDUCING DIRECT SOMATIC EMBRYOGENESIS AND
SECONDARY EMBRYOGENESIS IN MONOCOTYLEDONOUS PLANT CELLS,
AND RAPIDLY REGENERATING FERTILE PLANTS



PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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ORIGINALLY FILED

Sir:

Please amend the application as follows:

In the abstract:

Please replace the abstract of the application presently on file with the new abstract as follows:

-- A process for inducing direct somatic embryogenesis and secondary embryogenesis in monocotyledonous plant cells and rapidly regenerating fertile monocotyledonous plants is provided. Embryogenic monocotyledonous plant cells are cultured under conditions conducive to direct formation of primary embryos without an intervening callus stage, at least until one primary embryo reaches the globular developmental stage and no longer than the coleoptilar stage. The primary embryos are cultured under conditions conducive to induction of secondary embryos, which are cultured under conditions conducive to regenerate plantlets. Also provided are processes for inducing direct somatic embryogenesis in monocotyledonous plant cells and rapidly regenerating fertile monocotyledonous plants, without secondary embryogenesis; for